

09-0144-01**Emission Summary****Permit Number:** 969965P**Source Status:** New ☒ Modification ☐ Expansion ☐ Relocation ☐ **Permit Status:** New ☒ Renewal ☐PSD ☐ NSPS ☒ NESHAPs ☐ **Previous Permit Number:** Construction _____ Operating _____

	Pounds/Hour			Tons/Year				Date of Data	*	Applicable Standard 1200-3-
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change			
TSP	0.07		0.07	0.02		0.02		2/17/15		40 CFR §60.4205(b)
SO ₂			0.002		Neg.			2/17/15		14-.03(5)
CO	0.79		1.19	0.30		0.30		2/17/15		40 CFR §60.4205(b)
NMHC + NO _x	0.74		1.35	0.34		0.34		2/17/15		40 CFR §60.4205(b)
HAPs					Neg.					
CO _{2e}					57.1			2/17/15		40 CFR 98

* - Source of data is from application dated February 17, 2015

The SO₂ emission were calculated using 15ppm sulfur content of the fuel (NSPS requirement), assuming all available sulfur is converted to SO₂, and shown to be negligible.

HAP emissions were calculated from AP-42, Table 3.3-2, and shown to be negligible.

CO_{2e} emissions were calculated using the emission factors in 40 CFR 98, Table C-1 and C-2.

The ton per year emissions were calculated at 500 hours of operation/year. Allowable emissions for fee purposes are equal to potential emissions

PERMITTING PROGRAM: CAM DATE: March 23, 2015

CONSTRUCTION PERMIT SUMMARY REPORT

Company Name: McKenzie Regional Hospital File Number: 09-0144 EPS Initials: CAM

Permit Number(s): 969965P Source Point Number(s): 01

Application Received (date): March 2, 2015 Application Complete (date): March 17, 2015

Air Quality Analysis Performed? Yes ☐ No ☒

Briefly describe the project: (new source, modifications) (what the process is) (type controls proposed) (emissions expected, qualitative) (replacing what sources) (background information)

This is an existing internal combustion diesel-fired engine (200 bhp) used for an emergency generator. This emergency engine is subject to NSPS, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. Additionally, the engine will meet the engine MACT (40 CFR Part 63 Subpart ZZZZ) by meeting the NSPS requirements in subpart IIII. This is an area source of hazardous air pollutants, and is not a major source for New Source Review (PSD). The expected emissions from this source are products of combustion of fuel oil. Pollution control equipment is not proposed for this source. This source is located in an area that is attainment for all pollutants.

The engine is stationary, compression ignition, greater than 50 HP, less than 3,000 HP, less than 10 L displacement per cylinder, model year 2007 or later, and designated use for emergency purposes; therefore, the permit for this engine is eligible for use of the standard template.

Rules Analysis

Title V ☐ Cond. Major ☐ Minor ☒ Source category listed in 1200-3-9-.01(4)(b)1.(i)? Yes ☐ No ☒

Reason for PSD:	New source above ____ TPY	<input type="checkbox"/> Sig. increase in ____ emissions	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Applicable NSPS:	40 CFR Part 60, Subpart IIII	<input checked="" type="checkbox"/> State Rule 1200-3-16-. ____	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Applicable NESHAP:	40 CFR Part 61, Subpart ____	<input type="checkbox"/> State Rule 1200-3-11-. ____	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Applicable NESHAP:	40 CFR Part 63, Subpart ZZZZ	<input checked="" type="checkbox"/> State Rule 1200-3-31-. ____	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>

Other Applicable State Rules

TSP Emissions:	1200-3- <u>06</u> - <u>02(2)</u>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>	NO _x Emissions:	1200-3- <u>07</u> - <u>07(2)</u>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>
SO ₂ Emissions:	1200-3- <u>14</u> - <u>03(5)</u>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>	Lead Emissions:	1200-3-____ - ____	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>
CO Emissions:	1200-3- <u>07</u> - <u>07(2)</u>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>	____ Emissions:	1200-3-____ - ____	<input type="checkbox"/> N/A <input type="checkbox"/>
VOC Emissions:	1200-3- <u>07</u> - <u>07(2)</u>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>	____ Emissions:	1200-3-____ - ____	<input type="checkbox"/> N/A <input type="checkbox"/>

Visible Emissions from This source not to exceed 20 % opacity per Method 9 (Rule 1200-3-05 - 01(1))

Visible Emissions from This source not to exceed 20 % opacity per Method 9 (Rule 1200-3-05 - 03(6))

Visible Emissions from _____ not to exceed _____ % opacity per Method _____ (Rule 1200-3-____ - ____)

Comments: _____
